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SEEDS of ... HARDY PERENNIALS



CONYERS B. FLEU, JR. Ross and Montana Streets GERMANTOWN, PHILA., PA.

HARDY Perennials are easily grown from seeds. Seeds that are planted now will make stocky plants for next Spring's planting and many will be ready to sell. Here are a few suggestions as to preparing your seed bed:

SOIL. The soil should be of a sandy loam and well supplied with humus, and if there is any doubt to this condition, well-rotted manure should be applied. Do not use fresh manure. The well-rotted manure should be thoroughly spaded with the soil and worked in so that it will not come in contact with the seed.

SEEDING. After the spading is finished rake the beds until the soil is in a fine, pulverized condition and then sow the seeds. Usually it is best to plant in rows, as then the seedlings may be more easily distinguished from the weeds, which will facilitate keeping the bed clean. Most of the seeds should be covered with soil not to exceed in depth four times their diameter, firming the soil gently about them.

MOISTURE. Should the soil be inclined to be dry, a good watering will serve to compact it about the seed and also provide the needed moisture. To secure uniform moisture conditions with summer-planted seeds it is oftentimes a help to shade the beds with frames of building lath, but, of course, these must be removed before the seeds begin to grow. Sharp sand is a good covering for seed, as it is less likely to bake than soil.

It is a good plan to sow the seeds in a cold frame where the seeds can be protected with lath shade and better protected for the winter and will not be washed away by heavy rain storms as in an open bed.

HARDY PERENNIALS

	per	per	per	Price per
VARIETY Color		l'r.pkt		
Achillea Millefolium Roseum, Rosy Milfoil Pink				\$3.00
" Ptarmica Fl. Pl., The Pearl	.25	.15	1.00	4.00
"Tomentosa Yellow				.75
Aconitum Napelus, MonkshoodBlue	.15	.30	.50	1.50
Agrostemma Coronaria, Rose of Heaven	.10	.15	.20 .20	.35 .35
Alyssum Saxatile Compactum, Basket of GoldYellow	.10	.20	.30	.60
Anchusa Italica, Dropmore Variety	.15	.20	.25	.75
Anchusa Italica, Drophiore Vallety	.10	.20	.25	
Anemone Coronaria, Windflower	.25.		.65	.60 2.50
Anthemis Kelwayi, Hardy MargueriteYellow	.15	.25	.40	1.00
Aquilegia Californica, ColumbinesMixed	.25	.40	.60	2.00
" Canadensis, Columbines Scarlet and Yellow	.15	.25	.40	1.00
Chrysanthea, Columbines 1 ellow	.25	.40	.65	2.00
" Fl. Pl., ColumbinesDouble Yellow Silver QueenWhite	.25	.40 .65	.75 1.00	2.50 3.00
" Coerulea, Columbines Blue and White	.25	.40	.65	2.00
" Flabellata Nana AlbaWhite	.25		1.00	3.50
" Haylodgensis, Columbines Pink	.25	.50	1.00	3.50
"Long-Spurred Hybrids, ColumbinesMixed	.25		1.00	4.00
Nivea GrandifloraLarge White	.15 .50	.25 .75	.40 1.50	1.00 5.00
" Rose Queen, Columbines Rose Single, Columbines Mixed	.10	.15	.20	.50
" Double, Columbines	.10	.15	.25	.60
Arabis Alpina, Rock CressWhite	.10	.15	.20	.50
Armeria Formosa, Sea PinkPink	.15	.30	.50	1.50
Asclepias Tuberosa	.25	.40	.65	2.00
Asperula, Sweet WoodruffWhite	.15	.25	.40	1.00
Aster AlpinusBlue	.20	.25	.50	1.50
" AlbusWhite " Michaelmas, Large Flowered DaisyMixed	.25	.40	.65	2.00
" Michaelmas, Large Flowered DaisyMixed	.25	.40	.60	2.00
Baptisia AustralisBlue	.15	.25	.40	1.00
Bocconia Cordata, Plume PoppyWhite	.10	.15	.20	.50
Boltonia Asteroides, False Chamomile White	.15	.25	.50	1.50
" Latisquana, False Chamomile Lilac Pinl		.25	.50	1.50
Campanula Calycanthus, Canterbury Bells Blue	.15 .15	.30	.40 .40	1.50 1.50
" " White	.15	.30	.40	1.50
" " "Mixed	.15	.25	.35	1.25
Campanula Carpatica, Hare Bells Blue	.15	.30	.40	1.25
" Alba, Hare BellsWhite	.15	.30	.40	1.25
" Media, Single Canterbury Bells Blue	.10	.15	.25	.40
1 IIIK	.10	.15 .15	.25 .25	.40 .40
" " " Wixed	.10 .10	.15	.25	.30
" " Double " "Mixed	.15	.25	.40	1.00
" Persicifolia Grandiflora, Peach BellBlue	.25	.50		4.00
" " Alba, Peach BellWhite	.25	.50	1.00	4.00
" Pyramidalis, Chimney BellflowerBlue " Alba, Chimney BellflowerWhite	.15 .15	.25 .25	.40 .40	1.00 1.00
Candytuft, Iberis Gibraltarica Hybrida, LilacWhite	.15	.25	.40	1.00
" "SempervirensWhite	.15	.40	.75	2.50
Centaurea Montana, Cone FlowerBlue	.15	.20	.25	.75
" AlbaWhite	.25	.40	.60	2.00

HARDY PERENNIALS (Continued)

Cerastium Tomentosa, Snow in Summer	VARIETY	Color	per	per	per	Price per
Chrysanthemum, Hardy Pompom						
" King Edward VII White 15 20 35 50 1.00 4.00 Shasta Daisy, Alaska White 25 .40 .60 2.00 Elphinium Belladonna, Larkspur Light Blue 25 .50 1.00 3.00 Elphinium Belladonna, Larkspur Blue 25 .50 1.00 3.00 Elphinium Elladonna, Larkspur Blue 25 .50 1.00 3.00 Elphinium Elladonna, Larkspur Blue 25 .50 1.00 3.00 Elphinium Eladonna, Larkspur Blue 25 .50 1.00 3.00 Elphinium Eladonna, Larkspur Blue 25 .40 .60 2.00 Elphinium Eladonna, Elphinium Eladonna, Elphinium Eladonna, Elphinium Elakspur Blue 25 .40 .60 2.00 Elphinium Eladonna, Eladonna, Elphinium Eladonna, Eladonna, Elphinium Eladonna, Elphinium Eladonna, Eladonna, Elphinium Eladonna, Elphinium Eladonna, E						
Shasta Daisy, Alaska	" Iapanese Hybrids					
Coreopsis Lanceolata Grandiflora	" King Edward VII	White		.20	.35	
Delphinium Belladonna, Larkspur	Snasta Daisy, Alaska					
## Bellamosum	, -					
" Chinese, Larkspur. Blue 10 20 25 .75 " Album, Larkspur Blue 25 .40 .60 2.00 " " Hybridum, Larkspur Mixed 1.5 .35 .50 1.00 3.00 " " FI.P., Larkspur Blue 35 .50 1.00 3.00 " " Formosum, Larkspur. Blue .50 .75 1.25 5.00 " " Coelestinum, Larkspur Blue .50 .75 1.25 5.00 " Gold Medal Hybrids Mixed 1.5 .25 .40 1.50 " Zalil, Larkspur Yellow .50 .75 1.25 5.00 Dianthus Pink, Clove Pinks Mixed 1.5 .25 .40 1.50 " Double Scotch, Clove Pinks Mixed 1.5 .30 .40 1.25 " Erfurt, Clove Pinks Mixed 1.5 .30 .40 1.25 " Erfurt, Clove Pinks Mixed 1.5 .30 .40 1.25 " Erfurt, Clove Pinks Mixed 1.5 .30 .40 1.25 " Erfurt, Clove Pinks Mixed 1.5 .30 .40 1.25 " Erfurt, Clove Pinks Mixed 1.5 .30 .40 1.25 " Erfurt, Clove Pinks Mixed 1.5 .30 .40 1.25 " Erfurt, Clove Pinks Mixed 1.5 .30 .40 1.25 " Erfurt, Clove Pinks Mixed 1.5 .30 .40 1.25 " Erfurt, Clove Pinks Mixed 1.5 .30 .50 1.50 " Barbatus, Single Sweet William Mixed 1.0 1.5 .20 .50 " Barbatus, Single Sweet William Mixed 1.0 1.5 .20 .50 " " Obuble Sweet William Mixed 1.0 1.5 .20 .50 " " Newport Pink Pink Pink 1.5 .30 .50 1.50 " " Newport Pink Pink 1.5 .30 .50 1.50 " " Single Crimson 1.0 1.5 .20 .50 Dictamnus Fraxinella, Gas Plant Red 1.5 .25 .40 1.00 Digitalis, Giant Shirley Mixed 1.0 1.5 .20 .50 " " Alba White 1.5 .25 .40 1.00 " " Goxnaeflora, Foxglove Purple 1.0 .20 .25 .60 " " Grandiflora, Foxglove Purple 1.0 .20 .25 .60 Doronicum Plantagineum Excelsum Yellow 1.0 .20 .25 .60 Eupatorium Ageratoides, Thoroughwort White 1.5 .20 .25 .60 Eupatorium Ageratoides, Thoroughwort White 1.5 .20 .25 .60 Eupatorium Ageratoides, Thoroughwort Mixed 1.0 .15 .20 .25 .60 Eupatorium Ageratoides, Thoroughwort Mixed 1.0 .20 .25 .60 Eupatorium Ageratoides, Thoroughwort Mixed 1.0 .20 .25 .60 Eupatorium Ageratoides, Thoroughwort Mixed 1.5 .20 .25 .60 Eupatorium Ageratoides, Thoroughwort Mixed 1.5 .20 .25 .75 " " Sanguinea, Blanket Flower Mixed 1.5 .20 .25 .75 Geum Atrosanguinium Fl. Pl., Averus Crimson 1.5 .20 .25 .75 Geum Atrosanguinium Fl. Pl., Averus Crimson 1.5 .25 .50						
" Elatum, Larkspur Blue 25 40 60 200 20						
## Hybridum, Larkspur Mixed 15 35 50 1.25 ## " "Formosum, Larkspur Dbl. Mix 35 50 1.00 3.00 ## Formosum, Larkspur Blue 35 50 1.00 3.00 ## Coelestinum, Larkspur Blue 35 50 1.00 3.00 ## Gold Medal Hybrids Mixed 15 25 40 1.50 ## Zalil, Larkspur Yellow 50 75 1.25 5.00 ## Double Scotch, Clove Pinks Mixed 10 20 25 60 ## Double Scotch, Clove Pinks Mixed 15 30 40 1.25 ## Latifolius Atrocoscineus Fl. Pl. Scarlet 15 25 40 1.00 ## Pheasants Eye, Pink Mixed 10 15 20 50 ## Barbatus, Single Sweet William Mixed 10 15 20 50 ## Barbatus, Single Sweet William Mixed 10 15 20 50 ## Barbatus, Single Sweet William Mixed 10 15 20 50 ## Wewport Pink Pink 15 30 50 1.50 ## Single Velvety Maroon 10 15 20 50 ## Single Velvety Maroon 10 15 20 50 ## Single Scarlet 15 25 40 1.00 ## Single Scarlet 10 15 20 50 ## Single White 10 15 20 50 ## Olovinaneflora, Foxglove Purple 10 20 25 60 ## Ononicum Plantagineum Excelsum Yellow 60 per 1000 Seeds ## Jelia Alba White 10 20 25 60 ## Ononicum Plantagineum Excelsum Yellow 60 per 1000 Seeds ## Erlart, Clower Mixed 15 20 25 60 ## Ononicum Plantagineum Excelsum Yellow 60 per 1000 Seeds ## Superba, Blanket Flower Mixed 15 20 25 75 ## Gaillardia Grandiflora Compacta, Blanket Flower Mixed 15 20 25 75 ## Geam Atrosanguinum Fl. Pl., Averus Crimson 15 20 25 75 ## Geam Atrosanguinum Fl. Pl., Averus Crimson 15 20 25 75 ## Mrs. Bradshaw Dbl. Orange. Scarlet 35 50 75 3.00 ## Winter Mixed 10 15 20 25 75 ## Mrs. Bradshaw Dbl. Orange. Scarlet 35 50 75 3.00 ## Winter Mixed Mixed 15 20	" Album, Larkspur					
"Formosum, Larkspur Blue 35 50 1.00 3.00 "Gold Medal Hybrids Mixed 15 25 40 1.50 "Zalil, Larkspur Yellow 50 75 1.25 5.00 Dianthus Pink, Clove Pinks Mixed 15 30 40 1.25 "Dianthus Pink, Clove Pinks Mixed 15 30 40 1.25 "Erfurt, Clove Pinks Mixed 15 30 40 1.25 "Latifolius Atrocoscineus Fl. Pl. Scarlet 15 25 40 1.00 "Pheasants Eye, Pink Mixed 10 1.5 25 40 1.00 "Pheasants Eye, Pink Mixed 15 30 50 1.50 "Barbatus, Single Sweet William Mixed 15 30 50 1.50 "Barbatus, Single Sweet William Mixed 15 15 20 50 1.00 ""Newport Pink Pink 15 30 50 1.50 ""Scarlet Beauty Scarlet 15 25 40 1.00 ""Newport Pink Pink 15 30 50 1.50 ""Single Velvety Maroon 10 1.5 20 50 ""Single Crimson 10 1.5 20 50 ""Single Scarlet 10 1.5 20 50 """Single Scarlet 10 1.5 20 50 """Single Scarlet Real White 10 1.5 20 50 """Single White 10 1.5 20 50 """Single Scarlet Red 10 1.5 20 50 """Alba White 10 1.5 20 50 """Alba White 10 20 25 60 """Alba White 15 25 50 75 3.00 """Grandiflora, Foxglove Purple 10 20 25 60 """"Alba, Foxglove White 10 20 25 60 Doronicum Plantagineum Excelsum Yellow 10 20 25 75 ""Monstrosa, Mammoth Foxglove Mixed 10 1.5 20 25 60 Eupatorium Ageratoides, Thoroughwort White 15 20 25 60 Eupatorium Ageratoides, Thoroughwort White 15 20 25 75 Gaillardia Grandiflora Compacta, Blanket Flower, Red 15 20 25 75 Gaillardia Grandiflora Compacta, Blanket Flower Mixed 11 20 25 75 Gaillardia Grandiflora Compacta, Blanket Flower Mixed 10 15 20 25 75 Gaillardia Grandiflora Compacta, Blanket Flower Mixed 11 20 25 75 Gaillardia Grandiflora Compacta, Blanket Flower Mixed 11 15 20 25 75 Geum Atrosanguinum Fl. Pl., Averus Crimson 15 25 50 75 300	Elatum, Larkspur	Blue				
" Formosum, Larkspur Blue	" Hybridum, Larkspur	Mixed				
" Gold Medal Hybrids. Mixed						
Cold Medal Hybrids	" Coelestinum, Larkspur			.75		
Dianthus Pink, Clove Pinks Mixed 10 20 25 60	Gold Medal Hybrids	Mixed				
" Double Scotch, Clove Pinks Mixed 15 30 40 1.25 " Erfurt, Clove Pinks Mixed 25 40 .75 2.00 " Latifolius Atrocoscineus Fl. Pl. Scarlet 15 .25 .40 1.00 " Pheasants Eye, Pink Mixed .10 .15 .20 .50 " Semperflorens, Everblooming Pink Mixed .15 .30 .50 1.50 " Barbatus, Single Sweet William Mixed .15 .30 .50 1.50 " " Double Sweet William Mixed .10 .15 .20 .60 " " Scarlet Beauty Scarlet .15 .25 .40 1.00 " " Newport Pink Pink .15 .30 .50 1.50 " " Single Crimson .10 .15 .20 .50 " " " Single Crimson .10 .15 .20 .50 " " " Single White .15 .20 .50 " " Single White	Zalil, Larkspur					
"Erfurt, Clove Pinks Mixed 25 40 75 2.00 " Latifolius Atrocoscineus Fl. Pl. Scarlet 15 25 40 100 "Pheasants Eye, Pink Mixed 10 15 20 50 " Semperflorens, Everblooming Pink Mixed 1.5 30 50 1.50 " Barbatus, Single Sweet William Mixed 10 15 20 60 " " Double Sweet William Mixed 10 15 20 60 " " Scarlet Beauty Scarlet 15 25 40 100 " " Newport Pink Pink 15 25 40 100 " " Single Crimson 10 15 20 50 " " " Single Crimson 10 15 20 50 " " " Single Crimson 10 15 20 50 " " " Single White 10 15 20 50 " " Single Read 15 25						
" Latifolius Atrocoscineus Fl. Pl. Scarlet 1.5 2.5 40 1.00 " Pheasants Eye, Pink Mixed 1.0 1.5 2.0 5.0 " Semperflorens, Everblooming Pink Mixed 1.5 30 50 1.50 " Barbatus, Single Sweet William Mixed 1.0 1.5 30 50 1.50 " " Double Sweet William Mixed 1.0 1.15 2.0 60 " " Scarlet Beauty Scarlet 1.5 2.5 40 1.00 " " Newport Pink Pink 1.5 30 50 1.50 " " Single Crimson 1.0 1.5 20 50 " " Single Crimson 1.0 1.5 20 50 " " Single Scarlet 1.0 1.5 20 50 Dictamnus Fraxinella, Gas Plant Red 1.5 25 40 1.00 " " " Alba White 1.5 25 40 1.00 Digitalis, Giant Shirley <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
## Semperflorens, Everblooming Pink Mixed 15 30 50 1.50 ## Barbatus, Single Sweet William Mixed 15 30 50 1.50 ## Double Sweet William Mixed 10 15 20 60 ## "Scarlet Beauty Scarlet 15 25 40 1.00 ## "Newport Pink Pink 15 30 50 1.50 ## "Single Velvety Maroon 10 15 20 50 ## "Single Crimson 10 15 20 50 ## "Single Scarlet 10 15 20 50 ## "Single Scarlet 10 15 20 50 ## "Single Scarlet 10 15 20 50 ## "Single White 10 15 20 50 ## "Single White 10 15 20 50 ## "Alba White 15 25 40 1.00 ## Digitalis, Giant Shirley Mixed 25 50 75 3.00 ## "Gloxinaeflora, Foxglove Purple 10 20 25 60 ## "" "Rose 10 20 25 60 ## "" "White 10 20 25 60 ## "" "White 10 20 25 60 ## "" "White 10 20 25 60 ## "" "Alba, Foxglove Yellow 10 20 25 75 ## Monstrosa, Mammoth Foxglove Mixed 10 15 20 25 60 ## "" "Alba, Foxglove Purple 10 20 25 60 ## "" "Alba, Foxglove Purple 10 20 25 60 ## "" "Alba, Foxglove White 10 20 25 60 ## "" "Alba, Foxglove White 10 20 25 60 ## "" "Alba, Foxglove White 10 20 25 60 ## "" "Alba, Foxglove White 10 20 25 60 ## "" "Alba, Foxglove White 10 20 25 60 ## "" "Alba, Foxglove White 10 20 25 60 ## "" "Alba, Foxglove White 10 20 25 60 ## "" "Alba, Foxglove White 15 20 25 60 ## "" "Alba, Foxglove White 15 20 25 60 ## "" "Alba, Foxglove White 15 20 25 60 ## "" "Alba, Foxglove White 15 20 25 60 ## "" "Alba, Foxglove White 15 20 25 60 ## "" "Alba, Foxglove White 15 20 25 60 ## "" "Alba, Foxglove White 15 20 25 60 ## "" "Alba, Foxglove White 15 20 25 60 ## "" "Alba, Foxglove White 15 20 25 60 ## "" "Alba, Foxglove White 15 20 25 60 ## "" "Alba, Foxglove White 15 20 25	" Latifolius Atrocoscineus Fl. Pl	Scarlet				
## Barbatus, Single Sweet William Mixed .05	Pheasants Eye, Pink	Mixed				
" " Scarlet Beauty Scarlet 1.5 2.0 6.0 " " Newport Pink Pink 1.5 2.5 4.0 1.00 " " Newport Pink Pink 1.5 3.0 5.0 1.5 " " Single Crimson 1.0 1.5 20 50 Dictamnus Fraxinella, Gas Plant Red 1.15 20 50 Dictamnus Fraxinella, Gas Plant Red 1.5 25 40 1.00 " " Alba White 1.0 22 55 50 50 Dictamnus Fraxinella, Gas Plant Red 1.5 2.5 40 1.00	Sempernorens, Everplooming Pink	Mixed				
""" Newport Pink Pink .15 .25 .40 1.00 """ Single Velvety Maroon .10 .15 .20 .50 """ Single Crimson .10 .15 .20 .50 """ Single Scarlet .10 .15 .20 .50 """ Single Scarlet .10 .15 .20 .50 Dictamnus Fraxinella, Gas Plant Red .15 .25 .40 1.00 """ Alba White .15 .25 .40 1.00 Digitalis, Giant Shirley Mixed .25 .50 .75 3.00 "Gloxinaeflora, Foxglove Purple .10 .20 .25 .60 """ "White .10 .20 .25 .60 """ "Grandiflora, Foxglove Purple .10 .20 .25 .60 """ "Grandiflora, Foxglove Yellow .10 .20 .25 .75 "Purpurea, Foxglove Purple .10 .20						
## Newport Pink	" Scarlet Beauty					
" "Single Velvety Maroon 10 .15 .20 .50 " "Single Crimson 10 .15 .20 .50 " "Single Scarlet 10 .15 .20 .50 " "Single White 10 .15 .20 .50 Dictamnus Fraxinella, Gas Plant Red 1.5 .25 .40 1.00 " "Alba White 1.5 .25 .40 1.00 Digitalis, Giant Shirley Mixed 2.5 .50 .75 3.00 " Gloxinaeflora, Foxglove Purple 10 .20 .25 .60 " " " " White 10 .20 .25 .60 " " " " White 10 .20 .25 .60 " " " " White 10 .20 .25 .60 " " " " White 10 .20 .25 .60 " " " " White 10 .20 .25 .60 " " " " White 10 .20 .25 .60 " " " " White 10 .20 .25 .60 " " " Alba, Foxglove Purple 10 .20 .25 .60 " " " Alba, Foxglove Mixed 10 .15 .20 .50 " Purpurea, Foxglove Purple 10 .20 .25 .60 " " Alba, Foxglove White 10 .20 .25 .60 Doronicum Plantagineum Excelsum Yellow 6.00 per 1000 Seeds Eulalia Japonica, Ornamental Grasses 1.5 .20 .25 .60 Eupatorium Ageratoides, Thoroughwort White 1.5 .20 .25 .60 Eupatorium Ageratoides, Thoroughwort White 1.5 .20 .25 .75 " Fraseri, Thoroughwort White 1.5 .20 .25 .75 Gaillardia Grandiflora Compacta, Blanket Flower Red 1.5 .20 .25 .75 Gaillardia Grandiflora Compacta, Blanket Flower Red 1.5 .20 .25 .75 Gaillardia Grandiflora Semi-double, Bl'k't Flower Mixed 1.5 .20 .25 .75 Geum Atrosanguinium Fl. Pl., Averus Crimson 1.5 .25 .50 1.50 " " Kersemian Splendius, Blanket Flower Mixed 1.0 .15 .25 .50 1.50 " " Kersemian Splendius, Blanket Flower Mixed 1.5 .20 .25 .75 Geum Atrosanguinium Fl. Pl., Averus Crimson 1.5 .25 .50 1.50	Newport Pink					
""" Single Scarlet .10 .15 .20 .50 Dictamnus Fraxinella, Gas Plant Red .15 .25 .40 1.00 ""Alba White .15 .25 .40 1.00 Digitalis, Giant Shirley Mixed .25 .50 .75 3.00 "Gloxinaeflora, Foxglove Purple .10 .20 .25 .60 """"""""""""""""""""""""""""""""""""	" Single Velvety					
" Single White .10 .15 .20 .50 Dictamnus Fraxinella, Gas Plant Red .15 .25 .40 1.00 " Alba White .15 .25 .40 1.00 Digitalis, Giant Shirley Mixed .25 .50 .75 3.00 " Gloxinaeflora, Foxglove Purple .10 .20 .25 .60 " " " " White .10 .20 .25 .60 " " " Grandiflora, Foxglove White .10 .20 .25 .60 " Grandiflora, Foxglove Yellow .10 .20 .25 .75 " Purpurea, Foxglove Purple .10 .20 .25 .75 " Purpurea, Foxglove Purple .10 .20 .25 .75 " Purpurea, Foxglove White .10 .20 .25 .60 Doronicum Plantagineum Excelsum Yellow 600 per 1000 Seeds Eulalia Japonica, Ornamental Grasses .15 .20 <td< td=""><td>" " Single</td><td>Scarlet</td><td></td><td></td><td></td><td></td></td<>	" " Single	Scarlet				
"Alba White .15 .25 .40 1.00 Digitalis, Giant Shirley Mixed .25 .50 .75 3.00 "Gloxinaeflora, Foxglove Purple .10 .20 .25 .60 """"""""""""""""""""""""""""""""""""	" Single	White				
Digitalis, Giant Shirley. Mixed .25 .50 .75 3.00 "Gloxinaeflora, Foxglove. Purple .10 .20 .25 .60 """"""""""""""""""""""""""""""""""""			.15		.40	1.00
"Gloxinaeflora, Foxglove Purple .10 .20 .25 .60 """"""""""""""""""""""""""""""""""""						
" " " Rose .10 .20 .25 .60 " " White .10 .20 .25 .60 " " " Mixed .10 .20 .25 .60 " Grandiflora, Foxglove Yellow .10 .20 .25 .75 " Monstrosa, Mammoth Foxglove Mixed .10 .20 .25 .75 " Purpurea, Foxglove Purple .10 .20 .25 .60 Doronicum Plantagineum Excelsum Yellow 6.00 per 1000 Seeds Eulalia Japonica, Ornamental Grasses .15 .20 .25 .60 Eupatorium Ageratoides, Thoroughwort White .15 .20 .25 .75 " Fraseri, Thoroughwort White .15 .20 .25 .75 Gaillardia Grandiflora Compacta, Blanket Mixed .10 .20 .25 .75 " " Samguinea, Blanket Flower Mixed						
" " " White .10 .20 .25 .60 " " Mixed .10 .15 .20 .50 " Grandiflora, Foxglove Yellow .10 .20 .25 .75 " Monstrosa, Mammoth Foxglove Mixed .10 .20 .25 .75 " Purpurea, Foxglove Purple .10 .20 .25 .60 Doronicum Plantagineum Excelsum Yellow 6.00 per 1000 Seeds Eulalia Japonica, Ornamental Grasses .15 .20 .25 .60 " Zebrina, Ornamental Grasses .15 .20 .25 .60 Eupatorium Ageratoides, Thoroughwort White .15 .20 .25 .60 Eupatorium Ageratoides, Thoroughwort White .15 .20 .25 .75 " Fraseri, Thoroughwort White .15 .20 .25 .75 Gaillardia Grandiflora Compacta, Blanket Mixed .10 .20						
" " Mixed .10 .15 .20 .50 " Grandiflora, Foxglove Yellow .10 .20 .25 .75 " Monstrosa, Mammoth Foxglove Mixed .10 .20 .25 .75 " Purpurea, Foxglove Purple .10 .20 .25 .60 " Alba, Foxglove White .10 .20 .25 .60 Doronicum Plantagineum Excelsum Yellow 6.00 per 1000 Seeds Eulalia Japonica, Ornamental Grasses .15 .20 .25 .60 Eupatorium Ageratoides, Thoroughwort White .15 .20 .25 .60 Eupatorium Ageratoides, Thoroughwort White .15 .20 .25 .75 Gaillardia Grandiflora Compacta, Blanket Mixed .10 .20 .25 .75 Gaillardia Grandiflora Compacta, Blanket Flower Mixed .15 .20 .25 .75 " " Sanguinea, Blanket Flower Mixed						
"Monstrosa, Mammoth Foxglove Yellow 10 20 25 75 "Purpurea, Foxglove Purple 10 20 25 60 "Alba, Foxglove Purple 10 20 25 60 Doronicum Plantagineum Excelsum Yellow 6.00 per 1000 Seeds Eulalia Japonica, Ornamental Grasses 15 20 25 60 Eupatorium Ageratoides, Thoroughwort White 15 20 25 60 Eupatorium Ageratoides, Thoroughwort White 15 20 25 75 Gaillardia Grandiflora Compacta, Blanket Mixed 10 20 25 75 Gaillardia Grandiflora Compacta, Blanket Flower Red 15 20 25 75 " Sanguinea, Blanket Flower Mixed 15 20 25 75 " Superba, Blanket Flower Mixed 15 20 25 75 " Kersemian Splendius, Blanket Flower Mixed 10 15 20 2	" " "	Mixed				
## Purpurea, Foxglove Purple	Grandinora, Foxglove	Yellow				
" Alba, Foxglove White .10 .20 .25 .60 Doronicum Plantagineum Excelsum Yellow 6.00 per 1000 Seeds Eulalia Japonica, Ornamental Grasses .15 .20 .25 .60 " Zebrina, Ornamental Grasses .15 .20 .25 .60 Eupatorium Ageratoides, Thoroughwort White .15 .20 .25 .75 Gaillardia Grandiflora Compacta, Blanket Mixed .10 .20 .25 .75 Gaillardia Grandiflora Compacta, Blanket Flower Red .15 .20 .25 .75 " " Sanguinea, Blanket Flower Mixed .15 .20 .25 .75 " " Superba, Blanket Flower Mixed .15 .20 .25 .75 " " Superba, Blanket Flower Mixed .10 .15 .20 .25 .75 Geum Atrosanguinium Fl. Pl., Averus Crimson .15 .20 .25 .75 Geum Atrosanguinium Fl. Pl., Averus Crimson .15 .20 .25 .50 1.50 " " " Superba, Blanket Flower Mixed .15 <td< td=""><td>" Purpures Foxglove</td><td>Mixed</td><td></td><td></td><td></td><td></td></td<>	" Purpures Foxglove	Mixed				
Doronicum Plantagineum Excelsum Yellow 6.00 per 1000 Seeds Eulalia Japonica, Ornamental Grasses .15 .20 .25 .60 " Zebrina, Ornamental Grasses .15 .20 .25 .60 Eupatorium Ageratoides, Thoroughwort White .15 .20 .25 .75 Gaillardia Grasseri, Thoroughwort White .15 .20 .25 .75 Gaillardia Grasseri, Thoroughwort White .15 .20 .25 .75 Gaillardia Grasseri, Thoroughwort Mixed .10 .20 .25 .75 " Sanguinea, Blanket Flower Red .15 .20 .25 .75 " Sanguinea, Blanket Flower Mixed .15 .20 .25 .75 " Superba, Blanket Flower Mixed .10 .15 .20 .25 .75 Geum Atrosanguinium Fl. Pl., Averus Crimson .15 .20 .25 .75 Geum Atrosanguinium Fl. Pl., Averus Crimson .15 .25 .50 1.50 " " " Superba, Bradshaw Dbl. Orange Scarlet .35 .50 <td< td=""><td>" Alba, Foxglove</td><td>White</td><td></td><td></td><td></td><td></td></td<>	" Alba, Foxglove	White				
" Zebrina, Ornamental Grasses .15 .20 .25 .60 Eupatorium Ageratoides, Thoroughwort White .15 .20 .25 .75 Gaillardia Grandiflora Compacta, Blanket Mixed .10 .20 .25 .60 " Sanguinea, Blanket Flower .15 .20 .25 .75 " Semi-double, Bl'k't Flower Mixed .15 .20 .25 .75 " Superba, Blanket Flower Mixed .10 .15 .20 .25 .75 Geum Atrosanguinium Fl. Pl., Averus Crimson .15 .20 .25 .75 Geum Atrosanguinium Fl. Pl., Averus Crimson .15 .25 .50 1.50 " "Mrs. Bradshaw Dbl. Orange Scarlet .35 .50 .75 3.00	Doronicum Plantagineum Excelsum	Yellow	6.00	per 1		Seeds
Eupatorium Ageratoides, Thoroughwort White .15 .20 .25 .75 Fraseri, Thoroughwort White .15 .20 .25 .75 Gaillardia Grandiflora Compacta, Blanket Mixed .10 .20 .25 .60 " " Sanguinea, Blanket Flower Red .15 .20 .25 .75 " " Semi-double, Bl'k't Flower Mixed .15 .20 .25 .75 " " Superba, Blanket Flower Mixed .15 .20 .25 .60 " Kersemian Splendius, Blanket Flower Mixed .15 .20 .25 .75 Geum Atrosanguinium Fl. Pl., Averus Crimson .15 .25 .50 1.50 " " Mrs. Bradshaw Dbl. Orange Scarlet .35 .50 .75 3.00	Eulalia Japonica, Ornamental Grasses "Zebrina, Ornamental Grasses					
"Fraseri, Thoroughwort White .15 .20 .25 .75 Gaillardia Grandiflora Compacta, Blanket Mixed .10 .20 .25 .60 " "Sanguinea, Blanket Flower Red .15 .20 .25 .75 " Semi-double, Bl'k't Flower Mixed .15 .20 .25 .75 " "Superba, Blanket Flower Mixed .10 .15 .25 .60 " Kersemian Splendius, Blanket Flower Mixed .15 .20 .25 .75 Geum Atrosanguinium Fl. Pl., Averus Crimson .15 .25 .50 1.50 " "Mrs. Bradshaw Dbl. Orange Scarlet .35 .50 .75 3.00						
" " Sanguinea, Blanket FlowerRed .15 .20 .25 .75 " " Semi-double, Bl'k't FlowerMixed .15 .20 .25 .75 " " Superba, Blanket FlowerMixed .10 .15 .25 .60 " Kersemian Splendius, Blanket FlowerMixed .15 .20 .25 .75 Geum Atrosanguinium Fl. Pl., Averus	" Fraseri, Thoroughwort	White				
" " Semi-double, Bl'k't FlowerMixed .15 .20 .25 .75 " " Superba, Blanket FlowerMixed .10 .15 .25 .60 " Kersemian Splendius, Blanket FlowerMixed .15 .20 .25 .75 Geum Atrosanguinium Fl. Pl., Averus	" " Sanguinea Blanket Flower	Mixed				
" Superba, Blanket Flower Mixed .10 .15 .25 .60 " Kersemian Splendius, Blanket Flower Mixed .15 .20 .25 .75 Geum Atrosanguinium Fl. Pl., Averus Crimson .15 .25 .50 1.50 " " Mrs. Bradshaw Dbl. Orange Scarlet .35 .50 .75 3.00	" Semi-double, Bl'k't Flower	Mixed				
Geum Atrosanguinium Fl. Pl., Averus Crimson .15 .25 .50 1.50 " Mrs. Bradshaw Dbl. Orange Scarlet .35 .50 .75 3.00	" Superba, Blanket Flower	Mixed	.10	.15	.25	.60
" Mrs. Bradshaw Dbl. Orange Scarlet .35 .50 .75 3.00	Kersemian Spiendius, Blanket Flower					
	Geum Atrosanguinium Fl. Pl., Averus " Mrs. Bradshaw Dbl. Orange	Crimson Scarlet				
Gypsophila Paniculata, Baby's Breath	Gypsophila Paniculata, Baby's Breath	White Dbl. White	.10 e .50	.15 1.00	.25 1.50	.40 5.00

HARDY PERENNIALS (Continued)

VARIETY	Color			Price per ¼ oz.	
Helenium Autumnale Superbum, Sneeze Wort "Riverton Gem		.15	.25 .25	.40	1.00 1.50
Helianthemum Mutabile, Rock Rose		.15	.20	.25	.75
Heliopsis Pitcheriana, Orange Sunflower	Yellow	.15	.20	.25	.60
" Scabra Zinniaeflora, Orange Sunflower	Yellow	.15	.25	.40	1.50
Heuchera Sanguinea		.40	.50	1.25	4.00
Hibiscus Crimson Eye, MarshmallowWhite a		1.10	.15	.25	.50
" Moscheutos, Marshmallow		.10	.15	.25	.50
Giant Yellow, Marshmallow		.25	.35	.50	1.60
" New Giant Mallow		.15	.20	.25 .25	.75 .75
и и и			.20	.25	.75
" " Marshmallow		.10	.15	.25	.60
Hollyhocks, Allegheny		.20	.25	.40	1.00
" Chater's Double		.25	.30	.40	1.25
<i>u u u</i>		.25	.30	.40	1.25 1.25
u u u		.25	.30	.40 .40	1.25
44 44		.25	.30	.40	1.25
" " " "		.15	.25	.40	1.00
" Single		.25 .25	.30	.60 .60	2.00
"		.25	.30	.60	2.00
"		.25	.30	.60	2.00
"	Mixed	.15	.20	.25	.75
Iberis. See Candytuft					
Iris Kaempferi, Japanese Iris		.10	.15	.25	.50
"Germanica, German Iris		.15	.25	.40	1.00
Lathyrus Latifolius, Everlasting Pea		.15	.20	.25 .25	.75 .75
" " "		.15	.25	.40	1.00
и и и и	Mixed	.15	.20	.25	.75
Lavendula Vera, Lavender	Purple	.15	.20	.25	.75
Liatris, Blazing Star or Gay Feather	Mixed	.10	.15	.25	.75
Linaria Cymbalaria, Kenilworth Ivy	***	.15	.30	.50	1.50
Linum Perenne		.10	.15	.20	.40
Lobelia Cardinalis, Cardinal Flower		.15	.40	.75	2.50
Lupinus Arboreus, Lupine		.50	.75	1.50	5.00
" Polyphyllus, Lupine Roseus, Lupine		.10	.15	.20	.40 .75
" Lupine		.10	.15	.20	.40
" Moerheimi Light &		.15	.25	.50	1.50
" Lupine		.05	.10	.15	.30
Lychnis Chalcedonica, Jerusalem Cross	Scarlet	.05	.10	.15	.30
" Haageana, Jerusalem Cross		.25	.40	.60	2.00
Myosotis Palustris, True, Forget-me-not	Blue	.35	.50	.75	2.50
Papaver. See Poppy					
Penstemon, Beard Tongue		.15	.20	.25	.60
Phlox Decussata, Hardy Phlox		.50	.75	1.50	5.00
Physalis Francheti, Chinese Lantern Plant		.25	.35	.50	1.50
Physostegia Virginica, False Dragon Head		.15	.25	.40	1.00
" Alba, False Dragon Head	vv nite	.20	.30	.50	1.50

HARDY PERENNIALS (Continued)

HARDI I EKENNIALS		ъ.	ъ.	ъ.	D .
		per	per	Price per ¼ oz.	Price per
VARIETY	Color	pkt.	ľr.pkt.	¼ oz.	oz.
Platycodon Grandiflora, Japanese Bellflower		.15	.20	.25	.75
" Alba, Japanese Bellflow		.15	.25	.40	1.00
Japonicus, Dbi. Japanese Belinower		.25	.40	.75	2.50
Mariesii, Japanese Belinower			.35	.60	2.00
Polemonium Coeruleum, Jacob's Ladder		.05	.10	.15	.50
Polyanthus, Primula Elatior				1.00	3.00
Potentilla, Single Hybrids		.15	.25	.40	1.00
Poppy Nudicaule Iceland		.15	.25	.40	1.00
***************************************		.15	.25	.40	1.00
Single		.15	.25	.40	1.00
Double		.25	.35	.50	1.50
Orientale, Oriental		.15	.20	.25	.75
Wirs. Perry		.35		1.00	3.00
Of manning	_		.35	.50	1.50
Princess victoria		.35		1.00	3.00
Hybrids, Oriental		.15	.25	.40	1.00
Primula Japonica, Japanese Primrose		.25	.40	.60	2.00
" Veris, English Cowslip			1.00		5.00
" Vulgaris, English Primrose		.50		1.00	3.00
Pyrethrum Hybridum, Single Daisy		.25	.35	.50	1.50
" Fl. Pl., Double Daisy			1.50		6.0D
" Roseum, Daisy		.35		1.00	3.00
Uliginosum, Daisy		.35	.50	.75	2.50
Rudbeckia Newmani, Cone Flower		.15	.25	.40	1.00
" Purpurea, Cone Flower		.15	.25	.40	1.00
Salvia Azurea Grandiflora	•	.50		1.00	3.00
" Farinacea, Sage		.25	.30	.40	1.25
Scabiosa Causica, Blue Bonnett		.50		1.00	3.00
" Alba, White Bonnett			1.50		7.50
" Japonica, Japanese Bonnett		.15	.20	.25	.50
Sidalacea Rosy Gem, Dwarf		.50		1.00	3.00
Statice Latifolia, Sea Lavender		.20	.30	.40	1.25
Stokesia Cyanea, Cornflower Aster		.25	.35	.50	1.50
" Alba, Cornflower Aster		.25	.35	.50	1.75
Sunflower Helianthus			.25	.40	1.00
Sweet Rocket, Hesperis		.10	.15	.20	.50
Thalictrium Adiantifolium		.25	.35	.50	1.50
" Aquilegifolium		.25	.30	.50	1.75
Dipterocarpuii			.75	1.00	3.00
Tritoma Hybrida, Red Hot Poker		.15	.25	.40	1.00
" Pfitzeri, Flame Flower		.35	.50	. 7 5	2.50
Trollius, Hybrids			.40	.75	2.50
Tunica Saxifraga		.10	.15	.20	.50
Valeriana Rubra, Valerian		.10	.15	.20	.50
Veronica Spicata	Blue	.25	.30	.50	1.50

STEELE'S MASTODON PANSY SEED

STEELE'S Mastodon Pansy seed, as you know, produces a well balanced, wide range of colors. They bloom extra early in the spring and will germinate to your entire satisfaction. This seed comes direct from Steele's Pansy Gardens.

Here are a few hints from Mr. Steele on preparing beds for germinating the seed:—

- 1. Have your ground perfectly clean and free of weeds and trash, pulverized to a depth of six or more inches.
- 2. On the level surface spread evenly a layer of pulverized manure, barnyard scrapings preferred, to a depth of at least one inch.
- 3. Overlay manure with half-inch of the best soil you have, thoroughly pulverized.
 - 4. Roll or rake down and tamp surface true and smooth.
 - 5. Use the hose freely and soak down the bed several inches.
 - 6. Sow the seed broadcast or in drills—we sow broadcast.
 - 7. Cover lightly as possible with your best soil or sand. Sand is best.
 - 8. Use spray of water to moisten surface.
- 9. Allowing plenty of ventilation, keep your beds moist, quite moist, but not soaking wet, until plants come up.

We use unbleached sheeting, cheapest grade, to retain moisture. As soon as plants begin to appear freely, we remove sheeting permanently and sift tops of beds with thin layer of barnyard scrapings. Water young seedlings sparingly to avoid dampening off.

Never allow your beds to become dry. Any dryness after seeds sprout is absolutely fatal. These directions are for sowing in the open field, but will apply when sowing in flats or cold frames. We use 60 to 75 square feet to sow an ounce of seed.

When possible, alternate your pansy crop with some other crop.

Steele's Mastodon Miracle Mixed is a most popular strain which includes white, dark center, dark blue center and light blue center, pure white, black, Burgundy red, lavender, violet, light blue, bronze, royal purple, rose, cerise red, red with silver rim, mahogany, yellow, wine colored, red and gold, lavender and gold, henna red, new, some ruffled types with a dozen or more variations in each color, in size measuring up to three and seven-eighths inches in diameter.

Price: $\frac{1}{10}$ oz., 85c.; $\frac{1}{2}$ oz., \$1.50; $\frac{1}{2}$ oz., \$2.75; $\frac{1}{2}$ oz., \$5.25; 1 oz., \$10.00; 2 oz., \$19.00; 4 oz., \$36.00.

Mlle. Irene, New. A shade never before known to pansies. A henna red, and in every other respect a grand flower with a long, strong stem.

Price: 16 oz., \$1.00; 1/8 oz., \$1.75; 1/4 oz., \$3.25; 1/2 oz., \$6.25.

Steele's Mastodon Striata—Our Novelty. Of great size and varied types, mostly dark and rose pink shades, mottled and beautifully striped in true sunburst fashion.

Price: ½ oz., 85c.; ½ oz., \$1.50; ¼ oz., \$2.75; ½ oz., \$5.25.

Steele's Mastodon Special. Highly recommended.

Price. $\frac{1}{10}$ oz., 65c.; $\frac{1}{10}$ oz., \$1.00; $\frac{1}{10}$ oz., \$1.75; $\frac{1}{10}$ oz., \$3.25; 1 oz., \$6.00; 3 oz., \$16.00; 4 oz., \$21.00.

Should you desire separate colors, $\frac{1}{16}$ oz. each of 16 separate colors, it will cost you \$11.90.

HORTICULTURAL BOOKS

The Nursery Manual: By Prof. L. H. Bailey. Mr. Bailey's Nursery Book was first published in 1891. For about thirty years it has been a standard work on the propagation of plants by means of seeds, layers, cuttings, buds, grafts and otherwise. The present work is the twenty-second edition of it, rewritten and all made new. It contains an extended alphabetic list of plants with full indications under each one for propagation. It also includes an illustrated account of the main diseases and insects of nursery stock, invaluable to the commercial grower. Price, Postpaid, \$3.00

The Cultivated Evergreens: By Prof. L. H. Bailey. This book should be in every Nurseryman's, Landscape Gardener's and Architect's office. It supplies authoritative information on the use of evergreens in the planted landscape, on soils and locations, planting and pruning, cultivation, identification, and treatment of the leading insects and diseases. The species and horticultural varieties in the United States and Canada are described for the purpose of identifications, as are also the most important kinds of broad-leaved evergreens, such as rhododendrons, laurels and hollys. It is beautifully illustrated with photographs and line drawings.

Price, Postpaid, \$7.50

The Manual of Tree and Shrub Insects: By Ephraim Porter Felt, State Entomologist of New York. The one book indispensable for every Nurseryman to make it possible to combat the ever-increasing tree and shrub insects that attack shade and forest trees and shrubs. The author gives a general account in part one of the book of the nature and transformation of the insects, their place and balance in the world of living things, the checks that have arisen in the course of time, and the means by which man has learned to control them. In part two he is concerned with insects attacking shade trees and ornamentals, and it includes full descriptions of these insects, the injuries they cause, and the means of checking or repairing the damage. Part three deals in a similar way with forest insects, while part four gives a systematic account of the characteristics and habits of the more important groups of insects affecting trees and shrubs.

Price, Postpaid, \$3.75

New Edition of Bailey's Cyclopedia of Horticulture: By Prof. L. H. Bailey. This cyclopedia meets every need of the commercial and professional horticulturist, and in the desire to bring this famous work within the means of all lovers of horticulture, the publishers have brought out this three-volume edition at half the price of the former set. This three-volume set contains all the information for which the former six-volume set was so justly famous, being printed from the same plates on special paper which though not bulky is remarkably tough and durable. It makes a compact yet thorough presentation of the kinds, characteristics and methods of cultivation of the species of plants grown in the regions of the United States and Canada for ornament, for fancy, for fruits and for vegetables.

Formerly in six volumes at \$40.00, now in three at \$20.00